

FORM PTO-1449 (Rev. 2-32)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTORNEY DOCKET NO.: 702.124	SERIAL NUMBER: 10/095,370	
	APPLICANT: CHILDS, Michael E. et al.		
	FILING DATE: 02/20/2002	GROUP: 3663	CONF. NO.: 2692

## U.S. PATENT DOCUMENTS

EXAM. INITIAL	DOCUMENT NUMBER	INVENTOR NAME	CLASS	SUB- CLASS	ISSUE DATE (PATENT); PUBLICATION DATE (PUBLISHED APPLICATION); OR FILING DATE (NON- PUBLISHED APPLICATION)
	3,660,812	Inose et al.			05/02/72
	3,683,847	Frank			05/1975
	4,611,613	Phillips et al.			03/14/1989
	4,631,583	Ando et al.			05/18/1989
	4,924,402	Ando et al.			05/08/1990
	4,928,338	Yamada			05/15/90
	4,937,753	Yamada			06/28/90
	5,208,593	Tong et al.			05/1993
	5,220,509	Takemura et al.			08/15/1993
	5,243,529	Kashiwazaki			09/07/1993
	5,272,638	Martin et al.			12/1993
	5,297,051	Arakawa et al.			03/22/1994
	5,331,583	Masumoto et al.			07/19/1994
	5,343,399	Yokoyama et al.			08/30/94
	5,349,530	Odagawa			09/20/1994
	5,363,306	Kuwahara et al.			11/08/1994
	5,365,448	Nobe et al.			11/15/1994
	5,371,497	Nimura et al.			12/08/94
	5,396,430	Arakawa et al.			03/07/1995
	5,410,486	Kishi			04/25/95
	5,422,815	Hijkata			06/06/1995
	5,424,953	Masumoto et al.			06/13/1995
	5,442,559	Kuwahara et al.			06/15/1995

EXAM. INITIAL	DOCUMENT NUMBER	INVENTOR NAME	CLASS	SUB- CLASS	ISSUE DATE (PATENT); PUBLICATION DATE (PUBLISHED APPLICATION); OR FILING DATE (NON- PUBLISHED APPLICATION)
	5,452,212	Yokoyama et al.			09/19/95
	5,452,217	Kishi			09/19/95
	5,463,554	Araki et al.			10/31/1995
	5,475,599	Yokoyama			12/12/95
	5,508,578	Kishi			04/09/96
	5,508,774	Nobe et al.			05/09/1996
	5,537,323	Schulte			07/16/95
	5,537,324	Nimura et al.			07/16/1996
	5,546,107	Deretsky et al.			08/13/96
	5,559,511	Ito et al.			09/24/1996
	5,536,279	Kishi et al.			08/10/97
	5,552,706	Morimoto et al.			07/29/1997
	5,657,231	Nobe et al.			06/12/1997
	5,712,755	Liaw et al.			1/1996
	5,729,109	Kaneko et al.			03/1996
	5,729,456	Poppen			03/17/96
	5,739,772	Nanba et al.			04/14/96
	5,742,925	Baba			04/21/1996
	5,757,289	Nimura et al.			05/26/1996
	5,774,073	Maekawa et al.			06/30/1996
	5,787,363	Moroto et al.			07/28/1996
	5,793,631	Ito			08/11/96
	5,809,447	Kato			09/15/96
	5,821,887	Zhu			10/1996
	5,852,791	Sato et al.			12/22/1996
	5,857,196	Angle et al.			01/05/1999
	5,862,511	Croyle et al.			01/19/1999
	5,874,905	Nanba et al.			02/23/99

EXAM. INITIAL	DOCUMENT NUMBER	INVENTOR NAME	CLASS	SUB- CLASS	ISSUE DATE (PATENT); PUBLICATION DATE (PUBLISHED APPLICATION); OR FILING DATE (NON- PUBLISHED APPLICATION)
	5,677,751	Kanemitsu et al.			03/02/1999
	5,678,368	DeGraaf			03/02/99
	5,690,092	Kato et al.			03/30/1999
	5,693,061	Poppen			04/06/99
	5,902,349	Endo et al.			05/11/99
	5,911,773	Mutsuga et al.			05/1999
	5,925,090	Poonsaangsathit			07/20/1999
	5,926,116	Hayashida et al.			07/20/1999
	5,948,867	Gehani et al.			08/31/1999
	5,951,622	Nomura			09/14/99
	5,953,722	Lampert et al.			09/14/99
	5,977,885	Watanabe			11/1999
	5,978,730	Popen et al.			11/1999
	6,021,406	Kuznetsov			02/2000
	6,023,655	Nomura			02/06/00
	6,035,299	White et al.			03/07/2000
	6,038,509	Poppen et al.			03/14/2000
	6,038,559	Ashby et al.			03/14/00
	6,040,824	Maekawa et al.			03/21/2000
	6,047,280	Ashby et al.			04/2000
	6,052,645	Harada			04/2000
	6,061,003	Harada			05/2000
	6,061,630	Waigars et al.			05/09/00
	6,073,076	Crowley et al.			06/2000
	6,081,803	Ashby et al.			06/27/2000
	6,088,652	Abe			07/2000
	6,101,443	Kato et al.			08/08/2000
	6,108,603	Karunanidhi			08/22/2000

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	6,112,153	Schaaf et al.			08/29/2000
	6,112,200	Livshutz et al.			08/29/00
	6,119,066	Sugiyama et al.			09/2000
	6,121,314	Richter et al.			09/19/00
	6,121,900	Takishita			09/19/00
	6,122,593	Friederich et al.			09/19/00
	6,126,515	Kabler et al.			10/2000
	6,126,573	Nomura			10/03/00
	6,134,501	Ouml			10/2000
	6,151,552	Koizumi et al.			11/2000
	6,161,092	Latshaw			12/12/00
	6,169,956	Morimoto et al.			01/02/01
	6,172,841	Millington			01/09/01
	6,162,006	Meek			01/30/2001
	6,164,823	Smith et al.			02/06/2001
	6,192,314	Khavakh et al.			02/20/01
	6,199,013	O'Shea			03/06/01
	6,199,045	Giniger et al.			03/06/01
	6,202,024	Yokoyama et al.			03/13/01
	6,202,026	Nimura et al.			03/13/01
	6,219,457	Potu			04/2001
	6,249,740	Ito et al.			06/2001
	6,249,744	Morita			06/2001
	6,256,351	Hong			07/03/2001
	6,259,968	Galkowski et al.			07/10/2001
	6,263,276	Yokoyama et al.			07/2001
	6,263,277	Tanimoto et al.			07/17/01
	6,266,615	Jin			07/24/01

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	6,276,994	Fuh et al.			08/21/2001
	6,265,950	Tanimoto, S.			09/05/2001
	6,265,951	Gaskins et al.			09/2001
	6,292,743	Pu et al.			09/2001
	6,296,303	Khavakh et al.			10/02/01
	6,296,305	Kadaba et al.			10/2001
	6,307,573	Barros			10/23/2001
	6,314,365	Smith			11/2001
	6,324,467	Machii et al.			11/2001
	6,349,257	Liu et al.			2/2002
	6,374,177	Lee et al.			04/16/2002
	6,374,179	Smith et al.			04/16/2002
	6,361,535	Durocher et al.			04/30/02
	6,366,677	Canova, Jr. et al.			05/14/2002
	6,393,149	Friederich et al.			05/2002
	6,401,034	Kaplan et al.			06/2002
	6,401,035	Jin			06/04/02
	6,405,123	Rennard et al.			06/11/02
	6,427,119	Stefan et al.			07/2002
	6,430,496	Maruyama et al.			08/2002
	6,477,526	Hayashi et al.			11/05/2002
	6,504,496	Mesarovic et al.			01/2003
	6,505,123	Root et al.			01/07/03
	6,510,379	Hasegawa et al.			01/2003
	6,522,875	Dowling et al.			02/2003
	6,526,351	Whitham			02/25/2003
	6,532,152	White et al.			03/11/03
	6,542,814	Polidi et al.			4/2003

EXAM. INITIAL	DOCUMENT NUMBER	INVENTOR NAME	CLASS	SUB- CLASS	ISSUE DATE (PATENT); PUBLICATION DATE (PUBLISHED APPLICATION); OR FILING DATE (NON- PUBLISHED APPLICATION)
	6,563,440	Kangas			05/2003
	6,567,743	Mueller et al.			05/2003
	6,574,553	Beesley et al.			06/03/03
	6,574,554	Beesley et al.			06/03/03
	6,561,003	Childs et al.			06/17/2003
	6,615,130	Myr			9/2003
	6,615,131	Rennard et al.			09/09/03
	6,633,609	Alzono et al.			10/2003
	6,650,996	Beesley et al.			11/16/03
	6,674,849	Froberg			1/2004
	6,675,093	Childs et al.			01/06/04
	6,667,615	Krull et al.			02/02/2004
	6,694,256	Childs et al.			02/17/2004
	6,704,645	Beesley et al.			03/09/2004
	6,706,112	Beesley et al.			03/16/2004
	6,725,155	Takahashi et al.			04/2004
	6,775,612	Kao et al.			06/10/04
	6,782,316	Beesley et al.			08/24/2004
	6,789,012	Childs et al.			09/07/2004
	6,799,115	Childs et al.			09/28/04
	6,807,483	Chao et al.			10/19/04
	6,823,256	Burt			11/23/04
	6,834,230	Childs et al.			12/21/2004
	6,839,624	Beesley et al.			01/04/05
	6,845,322	Chao et al.			01/18/05
	6,847,890	Childs et al.			01/25/05
	6,850,842	Park			02/01/05
	6,856,893	Beesley et al.			02/15/05

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	6,656,900	Childs et al.			02/15/05
	6,692,135	Krull et al.			05/10/05
	6,698,520	Kao et al.			05/24/05
	6,699,138	Krull et al.			05/03/2005
	6,948,043	Mathis			09/20/2005
	6,975,940	Childs et al.			12/13/2005
	6,980,906	Kao et al.			12/27/2005
	6,999,873	Krull et al.			02/14/2008
	2001/0056327	Jin			12/27/01
	2002/0038318	Onyon et al.			03/2002
	2002/0040271	Park et al.			04/2002
	2002/0091527	Shiau			7/11/2002
	2002/0120753	Levanon et al.			8/29/2002
	2002/0154998	Younis			11/2002
	2002/0173905	Jin			11/21/02
	2003/0008918	Barnett			01/2003
	2003/006029	Dowling et al.			04/2003
	2003/0139150	Rodriguez et al.			07/24/03
	2004/0220726	Jin			11/04/04
	10/032,250	Childs et al.			12/21/01
	10/086,370	Childs et al.			02/18/02
	10/269,573	Childs et al.			10/11/02
	10/962,700	Childs et al.			10/12/2004
	10/976,998	Childs et al.			10/29/2004
	10/993,174	Krull et al.			11/19/2004
	10/993,189	Childs et al.			11/19/2004
	11/035,242	Beesley et al.			01/13/2005
	11/035,243	Krull et al.			11/05/2003

## FOREIGN PATENT DOCUMENTS

EXAM. INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUB- CLASS	TRANSLATION	
						YES	NO
	0061574	06/10/82	EP			X	
	2541801	2/26/83	FR			X	
	0123562	04/26/84	EP			X	
	0242099	10/21/87	EP			X	
	08-221694	08/30/96	JP			X	
	10-132594	05/1998	JP			X	
	01/23839	04/30/01	WO			X	
	2818414	06/21/02	FR			X	
	209609T	12/15/02	AT				X
	1381687T	10/15/03	CN			X	
	02/060157	11/26/03	WO			X	
	01/61276	03/31/04	WO			X	
	02/103251	03/31/04	WO			X	
	03/058170	10/06/04	WO			X	

## OTHER DOCUMENTS (Including Publisher, Author, Title, Date, Relevant Pages, and Place of Publication)

	Boonen, A., "The Automatic Position Reporting System", <a href="http://www.oarc.net/aprs.htm">http://www.oarc.net/aprs.htm</a> , 5pages, (2002).
	Bourrie, S. "Tendler Updates FoneFinder", Wireless Week, p. 24, June 26, 1999.
	Bravman, J.S. et al., "Automatic Vehicle Monitoring", 10 pages.
	Chung et al.; Level-Compressed Huffman Decoding; IEEE-Transactions on Communication; Oct. 1999; vol. 47, No. 10; pp. 1455-1457.
	Nekrich, Y.; Byte-oriented decoding of canonical Huffman codes; IEEE-Information Theory 2000; Jun. 2000; p. 371.
	Nilsen, P., "Application of the Global-Positioning System (GPS) to Automatic Vehicle Monitoring", 1981 Carnahan Conference on Crime Countermeasures, University of Kentucky, pp. 7-11, (1981).
	Oberhauser et al.; Fast data structures for shortest path routing: a comparative evaluation; 1995 IEEE International Conference on Gateway to Globalization; Jun. 1995; vol. 3, pp. 1597-1601.
	Rosenberg, J. M. Dictionary of Computers, Information Processing and Telecommunications, Second Edition, August 1990.

EXAMINER	DATE CONSIDERED
<b>EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conformance to MPEP 609 and not considered. Include copy of this form with next communication to applicant.</b>	